

Aquaglide DS 1000-A

MACHINING AND GRINDING FLUID

Description

Aquaglide DS 1000-A is a heavy-duty emulsifiable oil for moderate to difficult machining and grinding applications. This product obtains extreme pressure lubricity without using sulfurized fats. This makes Aquaglide DS 1000-A an excellent choice for use on steels with moderate machinability ratings, aluminum, copper alloys, and aerospace alloys.



Typical Physical Characteristics

Weight, (lbs./gal.)	7.4
Specific Gravity, 60/60F	0.89
Flash Point, COC F	>350
pH, Fresh, 1:20 (5%) Dilution	9.2
Color, Appearance Dilution	White
Color, Concentrate	Amber

Features / Benefits

- Provides excellent cooling properties, superior finishes and increased tool life
- Complete rust protection for machine and parts in-process due to its non-nitrite rust inhibitor package
- Stable white emulsion is non-foaming, silicon and chlorine free, and easy to mix in both soft and hard water
- Effective biostatic system is a great choice for both central systems or individual machine sumps

Recommended Starting Dilutions

Machining – Drilling, Turning, Milling, Tapping, Boring, and Reaming 1:25 (4%) to 1:10 (10%)

Sawing/Grinding – Centerless, Surface, Cylindrical, Internal 1:33 (3%) to 1:14 (7%)

Concentration	1:33	1:25	1:20	1:17	1:14	1:12	1:11	1:10
Percentage	3	4	5	6	7	8	9	10
Refractometer Reading (Brix Scale)	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0

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